

Interactive comment on “Benchmarking a Catchment-Aware Long Short-Term Memory Network (LSTM) for Large-Scale Hydrological Modeling” by Frederik Kratzert et al.

Anonymous Referee #3

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I forgot to attached the literature cited in my PDF file so here they are:

Berghuijs, W. R., Sivapalan, M., Woods, R. A., & Savenije, H. H. G. (2014). Patterns of similarity of seasonal water balances: A window into streamflow variability over a range of time scales. *Water Resources Research*, 50(7), 5638–5661. <https://doi.org/10.1002/2014WR015692>

Carrillo, G., Troch, P. A., Sivapalan, M., Wagener, T., Harman, C., & Sawicz, K. (2011). Catchment classification: hydrological analysis of catchment behavior through process-based modeling along a climate gradient. *Hydrology and Earth System Sciences*, 15(11), 3411–3430. <https://doi.org/10.5194/hess-15-3411-2011>

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Fang, K., & Shen, C. (2017). Full-flow-regime storage-streamflow correlation patterns provide insights into hydrologic functioning over the continental US. *Water Resources Research*, 53(9), 8064–8083. <https://doi.org/10.1002/2016WR020283>

Fang, K., Shen, C., Kifer, D., & Yang, X. (2017). Prolongation of SMAP to Spatio-temporally Seamless Coverage of Continental US Using a Deep Learning Neural Network. *Geophysical Research Letters*, 44, 11030–11039. <https://doi.org/10.1002/2017GL075619>

Sawicz, K., Wagener, T., Sivapalan, M., Troch, P. A., & Carrillo, G. (2011). Catchment classification: empirical analysis of hydrologic similarity based on catchment function in the eastern USA. *Hydrology and Earth System Sciences*, 15(9), 2895–2911. <https://doi.org/10.5194/hess-15-2895-2011>

Toth, E. (2013). Catchment classification based on characterisation of streamflow and precipitation time series. *Hydrology and Earth System Sciences*, 17(3), 1149–1159. <https://doi.org/10.5194/hess-17-1149-2013>

Troch, P. A., Carrillo, G., Sivapalan, M., Wagener, T., & Sawicz, K. (2013). Climate-vegetation-soil interactions and long-term hydrologic partitioning: signatures of catchment co-evolution. *Hydrology and Earth System Sciences*, 17(6), 2209–2217. <https://doi.org/10.5194/hess-17-2209-2013>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-368>, 2019.

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